In the Claims:

Please amend Claim 1 as follows:

1. A system for capturing, encoding and transmitting continuous video from a camera to a display monitor via a network, comprising:

a. An encoder for receiving a video signal from the camera, the encoder producing a high-resolution output signal and a low-resolution output signal representing the video signal;

b. A switching network for receiving both the high-resolution output signal and the low-resolution output signal; and

c. A display monitor in communication with the switching network for selectively displaying one of said high-resolution output signal and said low-resolution output signal.

Q12

Please amend Claim 9 as follows:

9. The system of claim 5, wherein there is further included a plurality of cameras and an encoder associated with each of said cameras, the high-resolution output signal and low-resolution output signal unique to each camera being transmitted to the switching network, and wherein the display monitor is adapted for displaying any combination of camera signals.

Q13

Please amend Claim 11 as follows:

11. The system of claim 1, wherein there is further included a plurality of display monitors, each of which is in communication with the switching network, whereby each display monitor may selectively display the high-resolution signal and the low-resolution signal.

Q14

Please amend Claim 12 as follows:

12. The system of claim 11, wherein there is further included a plurality of cameras and an encoder associated with each of said cameras, the high-resolution output signal and low-

resolution output signal unique to each camera being transmitted to the switching network, and wherein there is further included a management system associated with each display monitor whereby each of the plurality of display monitors is adapted for displaying any combination of camera signals independently of the other of said plurality of display monitors.

Please amend Claim 15 as follows:

15. The system of claim 1, wherein the communications link between the switching network and the display monitor is a network.

Please amend Claim 25 as follows:

25. The system of claim 1, further including a compressor between the encoder and the switching network.

Please add new claims 26-38, which contain no new matter, as follows:

26. A system, comprising:

an encoder adapted to receive video and encode a high-resolution output signal and a low-resolution output signal representing the video; and

a display monitor adapted to selectively display at least one of the encoded high-resolution output signal and the encoded low-resolution output signal.

27. A system, comprising:

a camera adapted to output continuous video;

an encoder adapted to receive the video and encode a high-resolution output signal and a low-resolution output signal representing the video; and

a display monitor adapted to selectively display at least one of the encoded high-resolution output signal and the encoded low-resolution output signal.

28. A system, comprising:

a camera adapted to output continuous video;

an encoder adapted to receive the video and encode a high-resolution output signal and a low-resolution output signal representing the video; and

a display monitor adapted to display at least one of the encoded high-resolution output signal and the encoded low-resolution output signal based on a dimensional size of the display.

29. A system, comprising:

a camera adapted to output continuous video;

a control device adapted to assign a priority to the video;

an encoder adapted to receive the prioritized video and encode at least one of a high-resolution output signal and a low-resolution output signal representing the video based on the priority; and

a display monitor adapted to display the prioritized signal.

Q17

30. A system, comprising:

a plurality of cameras adapted to output continuous video;

an encoder, associated with each of the cameras, adapted to receive the video and encode at least one of a high-resolution output signal and a low-resolution output signal representing the video; and

a display monitor adapted to selectively display any combination of the encoded signals.

31. A system, comprising:

a plurality of cameras adapted to output continuous video;

an encoder, associated with each of the cameras, adapted to receive the video and encode at least one of a high-resolution output signal and a low-resolution output signal representing the video; and

a display monitor adapted to selectively display the encoded signals based on a number of signals simultaneously displayed at the monitor.

32. A system, comprising:

a plurality of cameras adapted to output continuous video;

an encoder, associated with each of the cameras, adapted to receive the video and encode at least one of a high-resolution output signal and a low-resolution output signal representing the video; and

a plurality of display monitors adapted to selectively and independently display any combination of the encoded signals.

33. A method for displaying live continuous video, comprising:

encoding video into a low-resolution low-bit rate stream and a higher-resolution higher-bit rate stream; and

performing at least one of a following action:

displaying a single image of the video using the higher-resolution higher-bit rate stream;

displaying a 2 x 2 array of the video using the higher-resolution higher-bit rate stream;

displaying a 3 x 3 array of the video using the low-resolution low-bit rate stream; and

displaying a 4 x 4 array of the video using the low-resolution low-bit rate stream.

34. A method for connecting to a live continuous video stream originating from a network, comprising:

formulating a dummy video file header;

sending the header to a video player;

examining data sent to the video player; and

if the header is found, passing the networked video stream to the video player.

35. A method for connecting to a live continuous video stream originating from a network, comprising:

formulating a dummy video and audio file header;

sending the header to a video and audio player;

examining data sent to the video and audio player; and

if the header is found, passing the networked video stream to the video and audio player.

36. A method for receiving a live continuous video stream at a media player, originating from a network, after a start of the video stream, comprising:

receiving a non-zero timestamp;

replacing the non-zero timestamp with a value comprising a current timestamp minus the non-zero timestamp; and

receiving the value timestamp.

Q 17

37. A method for receiving a live continuous video stream at a media player, originating from a network, after a start of the video stream, comprising:

receiving a non-zero timestamp; and

renumbering the non-zero timestamp with a value comprising a current timestamp minus the non-zero timestamp, wherein the renumbering causes the video stream to be sent to the media player at the renumbered timestamp.

38. A method for establishing a multicast connection, comprising:

requesting, by a client, an IP address of a desired encoder;

providing, by a server, the IP address of the desired encoder;

using the IP address of the desired encoder, requesting, by the client, a file containing a multicast address;

receiving, from the encoder, the file containing the multicast address; and

connecting, by the client, to the multicast address.